: Muhammad Alfarezzi Fallevi Nama

Kelas : 4IA17

NPM : 50421905

Pertemuan Ke-4

Activity 4 Rekayasa Perangkat Lunak 2

1.

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Projects Services Files
                                      _5| __ ModelMehacowajava x ___ HiberneteMijava x ___ MehacowaControllerjava x ___ MahacowaVenujava x ___ ModelTabelMehaco
 Pertemuan4_50421905
                                       Source Packages
     me.levi.controller

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     me.levi.model
Hibernatel/biljava
Model/Mahariswa-java
Model/Tabel/Mahariswa-java
                                             package me, levi, controller:
                                       import me.levi.model.HibernateUtil/
     me.levi.pertemuan4_50421905
                                             import me.levi.model.ModelMahamiswa;
         Pertensuan4_50421905.java
                                             import java.util.List;
    meleviview
                                             import org.hibernate.Session;
         MahasiswaView java
                                             import org.hibernate.Transaction;
  Test Packages
                                             import org.hibernate.query.Query;
                                      13 17 /-
  Other Sources
      in urc/main/resources
         default package>
                                      15
16
                                              * Gauthor HisbperingHitze
           hibemate.cfg.xml
                                             public Flase MahasiswaController (
  Runtime Dependencies
                                      19
19 📮
    Java Dependencies
                                                 public void addMhs (ModelMahasiswa mhs) (
  Project Files
      illi pomami
                                                      try (Session session = MibernateUtil.getSessionFactory().openSession()) (
                                      21
22
                                                          trm = session.beginTransaction();
                                       23
                                                           (edm) over.noisese
                                      24
25
                                                          tyx, commit Di
                                                      ) catch (Exception e)
                                       26
                                                      if(trx != null) trx.rollback():
                                                      e.printStackTrace();
                                       29
30
                                       11 17
                                                 public word updateMhs(ModelMahasiswa mhs) (
                                                      Transaction trx = null;
try (Session session = RibernateUtil.getSessionFactory().openSession())(
                                       22
                                       33
                                       34
35
                                                          trm = session.beginTransaction();
                                                           session. update (mhs) /
                                                          trm.commit();
                                                     | patch (Exception e) {
| if(trx != mull) trx.rollbeck();
```

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rojects × Services Files
                                    ...3) 🗷 ModelMahammajana 🛪 🙎 HibernateUkijana x 🔄 MahammaControllenjana x 🔒 MahammaYangana x 🙎 ModelTabelMaham
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                                    To Source Packages
     ine.levi.controller
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        MahasiswaController.java
                                           * Clink phfs://nbhost/SystemFileSystem/Templates/Classes/Class.jaya to edit
     me.levi.model
       # HibernateUtiljava
                                          package me.levi.model:
        ModelMahatiswa.java
ModelTabelMahatiswa.java
                                     7 E import org.hibernate.Session;
   - III melevi.pertemuan4_50421905
                                          import org.hibernate.SessionFactory:
        Perternuan4_50421905.java
                                       import org.hibernate.cfg.Configuration;
     mellevi view
                                    10
        Mahasiswa/View.java
                                          public class HibernateUtil (
 Test Packages
                                    10
                                              private static SessionFactory sessionFactory;
  Other Sources
     erc/main/resources
      <default package»</p>
                                    15
          hibemate.clg.xml
                                                       serminofectory * new Configuration().configura().buildSessionFactory();
 Dependencies
                                                  ) match (Throwable ex) (
  Runtime Dependencies
                                                    System. orr.println("Initial SessionFactory orsation failed," + ex);
                                    18
19
   Java Dependencies
                                                      throw new ExceptionInInitializerError(ex);
  Project Files
                                    28
     ille pomami
                                    21
                                    22
                                    23
                                              public static SessionFactory getSessionFactory() (
                                    24
                                                  return sensionFactory;
                                    25
                                    26
                                              public static void testConnection() (
                                                  try (Session session = cossideFactory.openSession()) (
                                                       System.sut.println("Connection to the database was successful!");
                                    28
30
                                                   1 catch (Exception e) (
                                                      System.err.printin("Failed to connect to the database.");
                                    32 33
                                                       e.printStackTrace();
                                          1
                                    35
Projects × Services Files
                                   _3[ # ModeMahassova,java × # HitemateUnijava × # MahassovaControllerjava × 15 MahassovaVien java × # ModeFabeMahassova,ja
  Pertemuan4_50421905.
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         MahasipwaController.java
     me.levi.model

    ModefMahassana.jara
    ModefTabeRAhassana.jara

                                          package me.levi.models
                                     7 E import jakarta.permistence.*/
     meJevi.pertamuan4_50421905
         Pertemuan4_50421905.java
     meleviview
                                          + tenthur WindperingMain
         Mahasiswa/liew.iava
    Test Packages
                                    12
    Ph Other Sources
                                     44
                                          SEntity
      III src/main/resources
                                          STable (name = "mahasimus")
                                    14
         «default package»
                                          public class ModelMahariswa (
           hbemate.cfg.xml
                                    16
   Dependencies
    Runtime Dependencies
                                     38
                                              #GeneratedValue(strategy = GenerationType. [BENTITY)
     🍃 Java Depende
                                     19
                                              9Column(name = "3/6")
    Project Files
                                              private int 1dr
                                    20
21
       a pemxmi
                                    22
                                              @Column;name = "spe", nullable = false, length = 10)
                                    23
                                              private String Hims
                                     24
                                              @Column(name = "name", nullable = false, length = 55)
                                    29
                                              private String mana;
                                    22
20
                                              @Column(name - "semester")
                                    29
                                              DYLVACE INT BERRECELF
                                     30
                                     31
                                              @Column(name = "ipk")
                                     32
                                              private float inks
                                     33
                                     34 [2]
                                              public HodelMahasiswa() (
                                     25
                                     34
                                     38 13
                                               public ModelMahasiswa(Int id, String npm, String nama, Int semester, float ipk) (
                                    me.levi.model.ModelMahasiswa
```









